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PTO/SB/21 (09-04)

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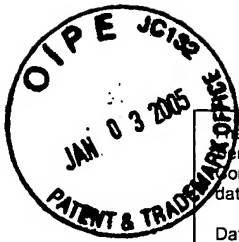
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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/676,726-Conf. #2945
	Filing Date	October 1, 2003
	First Named Inventor	Richard D. Thornton
	Art Unit	2834
	Examiner Name	B. S. Mullins
Total Number of Pages in This Submission	Attorney Docket Number	102320-0037

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Return Receipt Postcard (in duplicate) Check in the amount of \$180.00 IDS Citation by Applicant (2 pages) with copies of 8 publications as cited herein
<div>Remarks</div>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	NITTER MSCI ENNEN & FISHL P		
Signature			
Printed name	David J. Powsner		
Date	12/31/04	Reg. No.	31,868

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Dated: 12/3/04

Signature:

(David J. Powdler)

Docket No.: 102320-0037
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Richard D. Thornton et al.

Application No.: 10/676,726

Confirmation No.: 2945

Filed: October 1, 2003

Art Unit: 2834

For: SUSPENDING, GUIDING AND
PROPELLING VEHICLES USING
MAGNETIC FORCES

Examiner: B. S. Mullins

INFORMATION DISCLOSURE STATEMENT (IDS)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the publications listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the publications be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed more than three months after the U.S. filing date, OR more than three months after the date of entry of the national stage of a PCT application, AND after the mailing date of the first Office Action on the merits, whichever occurs first, but before the mailing date of a Final Office Action or Notice of Allowance (37 CFR 1.97(c)).

A copy of each publication on the PTO/SB/08 is attached.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this

Information Disclosure statement shall not be construed to be an admission that the information cited in the statement is, or is considered to be, material to patentability as defined in § 1.56 (b).

Our check in the amount of \$180.00 covering the fee set forth in 37 CFR 1.17(p) is enclosed. The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 141449, under Order No. 102320-0037.

Dated: 12/31/01

Respectfully submitted,

By

David J. Powsner

Registration No.: 31,868

NUTTER MCCLENNEN & FISH LLP

World Trade Center West

155 Seaport Boulevard

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PTO/SB/08a/b (08-03)

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Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/676,726-Conf. #2945
				Filing Date	October 1, 2003
				First Named Inventor	Richard D. Thornton
				Art Unit	2834
				Examiner Name	B. S. Mullins
Sheet	1	of	1	Attorney Docket Number	102320-0037

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	BA	EP 1283586 A1	02-12-2003	Ohto, Motomichi		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²	
	CA	Hor, P. J., et al. "Minimization of Cogging Force in a Linear Permanent Magnet Motor", IEEE Transactions on Magnetism, Vol. 34., No. 5, September 1998, pp.3544-3547.		
	CB	Koh, Chang Seop, "New Cogging-Torque Reduction Method for Brushless Permanent-Magnet Motors", IEEE Transactions on Magnetism, Vol. 39, No. 6, November 2003, pp.3503-3506.		
	CC	Zyl, AW van and CF Landy, "Reduction of Cogging Forces in a Tubular Linear Synchronous Motor by Optimising the Secondary Design", IEEE Africon, pp.689-692 (2002).		
	CD	Zhu, Z.Q., et al., "Reduction of cogging force in slotless linear permanent magnet motors", IEE Proc.-Electr. Power Appl., Vol. 144, No. 4, July 1997, pp.277-282.		
	CE	Zhu, Z.Q., et al., "Novel Linear Tubular Brushless Permanent Magnet Motor", EMD97, 1-3, September 1997, Conference Publication No. 444, IEE 1997, pp.91-95.		
	CF	Breton, C., et al., "Influence of Machine Symmetry on Reduction of Cogging Torque in Permanent-Magnet Brushless Motors", IEEE Transactions on Magnetism, Vol. 36, No. 5, September 2000, pp.3819-3823.		
	CG	Li, Touzhu and Gordon Slemon, "Reduction of Cogging Torque in Permanent Magnet Motors", IEEE Transactions on Magnetism, Vol. 24, No. 6, November 1988, pp.2901-2903.		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
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Application No. (if known): 10/676,726

Attorney Docket No.: 102320-0037

Certificate of Mailing under 37 CFR 1.8

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David J. Powsner

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31,868

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IDS (Citation) by Applicant (with copies of 8 publications as cited herein)

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FEE TRANSMITTAL for FY 2005				Complete if Known	
Effective 10/01/2004. Patent fees are subject to annual revision.				Application Number	10/676,726-Conf. #2945
				Filing Date	October 1, 2003
				First Named Inventor	Richard D. Thornton
				Examiner Name	B. S. Mullins
				Art Unit	2834
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27				Attorney Docket No.	102320-0037
TOTAL AMOUNT OF PAYMENT		(\$)		180.00	

METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)																																																																																																																																																																																																																																																													
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late filing fee or oath</td><td></td></tr> <tr><td>1052</td><td>50</td><td>2052</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>1053</td><td>130</td><td>1053</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>1812</td><td>2,520</td><td>1812</td><td>2,520</td><td>For filing a request for <i>ex parte</i> reexamination</td><td></td></tr> <tr><td>1804</td><td>920*</td><td>1804</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>1805</td><td>1,840*</td><td>1805</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>1251</td><td>110</td><td>2251</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>1252</td><td>430</td><td>2252</td><td>215</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>1253</td><td>980</td><td>2253</td><td>490</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>1254</td><td>1,530</td><td>2254</td><td>765</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>1255</td><td>2,080</td><td>2255</td><td>1,040</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>1401</td><td>340</td><td>2401</td><td>170</td><td>Notice of Appeal</td><td></td></tr> <tr><td>1402</td><td>340</td><td>2402</td><td>170</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>1403</td><td>300</td><td>2403</td><td>150</td><td>Request for oral hearing</td><td></td></tr> <tr><td>1451</td><td>1,510</td><td>1451</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>1452</td><td>110</td><td>2452</td><td>55</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>1453</td><td>1,370</td><td>2453</td><td>685</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>1501</td><td>1,370</td><td>2501</td><td>685</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>1502</td><td>490</td><td>2502</td><td>245</td><td>Design issue fee</td><td></td></tr> <tr><td>1503</td><td>660</td><td>2503</td><td>330</td><td>Plant issue fee</td><td></td></tr> <tr><td>1460</td><td>130</td><td>1460</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>1807</td><td>50</td><td>1807</td><td>50</td><td>Processing fee under 37 CFR 1.17(q)</td><td></td></tr> <tr><td>1806</td><td>180</td><td>1806</td><td>180</td><td>Submission of Information Disclosure Stmt</td><td>180.00</td></tr> <tr><td>8021</td><td>40</td><td>8021</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>1809</td><td>790</td><td>2809</td><td>395</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>1810</td><td>790</td><td>2810</td><td>395</td><td>For each additional invention to be examined (37CFR 1.129(b))</td><td></td></tr> <tr><td>1801</td><td>790</td><td>2801</td><td>395</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>1802</td><td>900</td><td>1802</td><td>900</td><td>Request for expedited examination of a design application</td><td></td></tr> <tr> <td colspan="5">Other fee (specify)</td> <td></td> </tr> <tr> <td colspan="5">*Reduced by Basic Filing Fee Paid</td> <td></td> </tr> <tr> <td colspan="4" style="text-align: right;">SUBTOTAL (3)</td> <td>(\$)</td> <td>180.00</td> </tr> </tbody> </table>		1051	130	2051	65	Surcharge - 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1051	130	2051	65	Surcharge - late filing fee or oath																																																																																																																																																																																																																																																											
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet																																																																																																																																																																																																																																																											
1053	130	1053	130	Non-English specification																																																																																																																																																																																																																																																											
1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination																																																																																																																																																																																																																																																											
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action																																																																																																																																																																																																																																																											
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action																																																																																																																																																																																																																																																											
1251	110	2251	55	Extension for reply within first month																																																																																																																																																																																																																																																											
1252	430	2252	215	Extension for reply within second month																																																																																																																																																																																																																																																											
1253	980	2253	490	Extension for reply within third month																																																																																																																																																																																																																																																											
1254	1,530	2254	765	Extension for reply within fourth month																																																																																																																																																																																																																																																											
1255	2,080	2255	1,040	Extension for reply within fifth month																																																																																																																																																																																																																																																											
1401	340	2401	170	Notice of Appeal																																																																																																																																																																																																																																																											
1402	340	2402	170	Filing a brief in support of an appeal																																																																																																																																																																																																																																																											
1403	300	2403	150	Request for oral hearing																																																																																																																																																																																																																																																											
1451	1,510	1451	1,510	Petition to institute a public use proceeding																																																																																																																																																																																																																																																											
1452	110	2452	55	Petition to revive - unavoidable																																																																																																																																																																																																																																																											
1453	1,370	2453	685	Petition to revive - unintentional																																																																																																																																																																																																																																																											
1501	1,370	2501	685	Utility issue fee (or reissue)																																																																																																																																																																																																																																																											
1502	490	2502	245	Design issue fee																																																																																																																																																																																																																																																											
1503	660	2503	330	Plant issue fee																																																																																																																																																																																																																																																											
1460	130	1460	130	Petitions to the Commissioner																																																																																																																																																																																																																																																											
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)																																																																																																																																																																																																																																																											
1806	180	1806	180	Submission of Information Disclosure Stmt	180.00																																																																																																																																																																																																																																																										
8021	40	8021	40	Recording each patent assignment per property (times number of properties)																																																																																																																																																																																																																																																											
1809	790	2809	395	Filing a submission after final rejection (37 CFR 1.129(a))																																																																																																																																																																																																																																																											
1810	790	2810	395	For each additional invention to be examined (37CFR 1.129(b))																																																																																																																																																																																																																																																											
1801	790	2801	395	Request for Continued Examination (RCE)																																																																																																																																																																																																																																																											
1802	900	1802	900	Request for expedited examination of a design application																																																																																																																																																																																																																																																											
Other fee (specify)																																																																																																																																																																																																																																																															
*Reduced by Basic Filing Fee Paid																																																																																																																																																																																																																																																															
SUBTOTAL (3)				(\$)	180.00																																																																																																																																																																																																																																																										

SUBMITTED BY		(Complete if applicable)	
Name (Print/Type)	David J. Powsner	Registration No. (Attorney/Agent)	31,868
Signature		Telephone	(617) 439-2000
		Date	12/31/04

Fee Transmittal

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: 12/31/04 Signature: (David J. Powsner)